

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (currently amended) A method for the detection of antigen specific T cells, comprising:
  - a. providing a recombinant cell expressing an MHC class I protein-fluorescent protein fusion molecule or a radiolabeled MHC class I protein on a surface of the recombinant cell;
  - b. ~~a.~~ contacting the ~~the~~ [[a]] MHC class I protein-fluorescent protein fusion molecule or the ~~the~~ [[a]] radiolabeled MHC class I protein, bound to a specific antigen with a population of T cells, ~~wherein a source of the MHC class I protein-fluorescent protein fusion molecule is a recombinant cell expressing MHC class I protein fused with a fluorescent protein;~~
  - c. ~~b.~~ incubating the fusion molecule or the radiolabeled MHC class I protein, bound to the specific antigen together with the population of T cells for a period of time sufficient for the T cells to internalize the fusion molecule or the radiolabeled MHC class I protein from the T cell surface; and
  - d. ~~e.~~ identifying the T cells that have internalized the fusion molecule or the radiolabeled MHC class I protein.
2. cancelled
3. (previously presented) The method of claim 1, wherein said fluorescent protein is green fluorescent protein.
4. cancelled
5. (previously presented) The method of claim 1, wherein the identifying of the T cells that have acquired the MHC class I protein-fluorescent protein fusion molecule is done by detecting fluorescent emission of the fluorescent protein fusion molecule.
6. (previously presented) The method of claim 1, wherein the identifying of the T cells that have internalized the MHC class I protein-fluorescent protein fusion molecule is

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done by detecting fluorescent emission of the fluorescent protein fusion molecule in a fluorescence activated cell sorter.

7. (previously presented) The method of claim 1, wherein said recombinant cell is a *Drosophila* cell.